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[001] SPEED MEASURING SYSTEM WITH DISTANCE SENSOR FOR ⇐
MEASURING ROTATIONAL SPEED OF A BODY ⇐

[035] In Fig. 2 a diagrammatic curve of the signal amplitudes (ordinate A) of the speed sensor 4 via the air gap (abscissa LS) between stationary speed sensor 4 and rotating measuring body 1 is shown. With A_max and A_min, respectively, are designated the maximum and minimum speed signal amplitudes which can result from rotation of the measuring body 1. According to the invention, an upper release threshold S_o (shown in dotted line) and a lower release threshold S_u (shown in dotted line) are coordinated with the speed sensor 4. Both release thresholds S_o and S_u are a function of the measured air gap LS. If the actual measured speed signal amplitude is greater than the upper release threshold S_o or smaller than the lower release threshold S_u, the speed sensor 4 delivers a reliable speed signal unequal to "zero". ⇐

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